

Patent Abstracts of Japan

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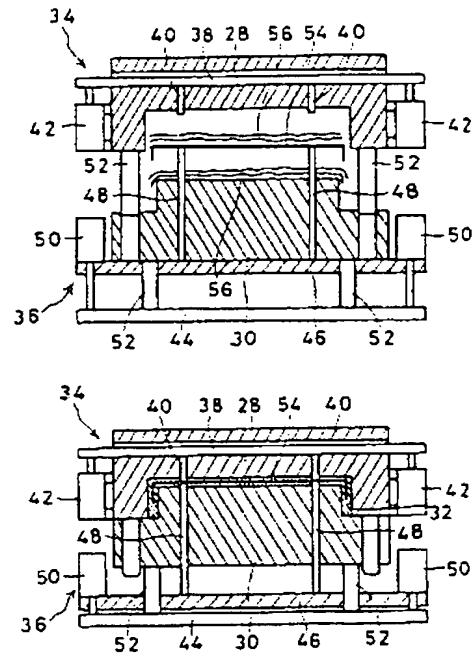
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TITLE : MOLDING OF RESIN MOLDED FORM  
HAVING BUILT-IN INSERT



ABSTRACT : PURPOSE: To embed an insert member surely at a predetermined position in a molded form to reinforce the molded form effectively, by a method wherein resin is poured into a molding cavity under a condition that the insert member is pinched by the holding pins of top and bottom forces upon clamping a mold, thereafter, the holding pins are retracted into the mold.

CONSTITUTION: A mold is clamped under a condition that the holding pins 40, 48 of top and bottom forces 28, 30 are protected from the mold surfaces to hold an insert member 54 by the holding pins 40, 48 of the top and bottom forces 28, 30 so as to fix the position of the insert just at the center of a molding cavity 32 formed by the top and bottom forces 28, 30. Resin material (sheet molding compound material) 56, set in the cavity 32 together with the insert member 54 under this condition, is fluidized by the pressurizing force of the top and bottom forces 28, 30 under heating to fill it into the molding cavity 32. Thereafter, the holding pins 40, 48 are retracted into the top and bottom forces 28, 30 while cavities, generated in the cavity 32 by the retraction of the pins, are filled with the flow of the resin whereby a molded form, in which the insert member 54 is embedded at a predetermined position, may be molded.

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